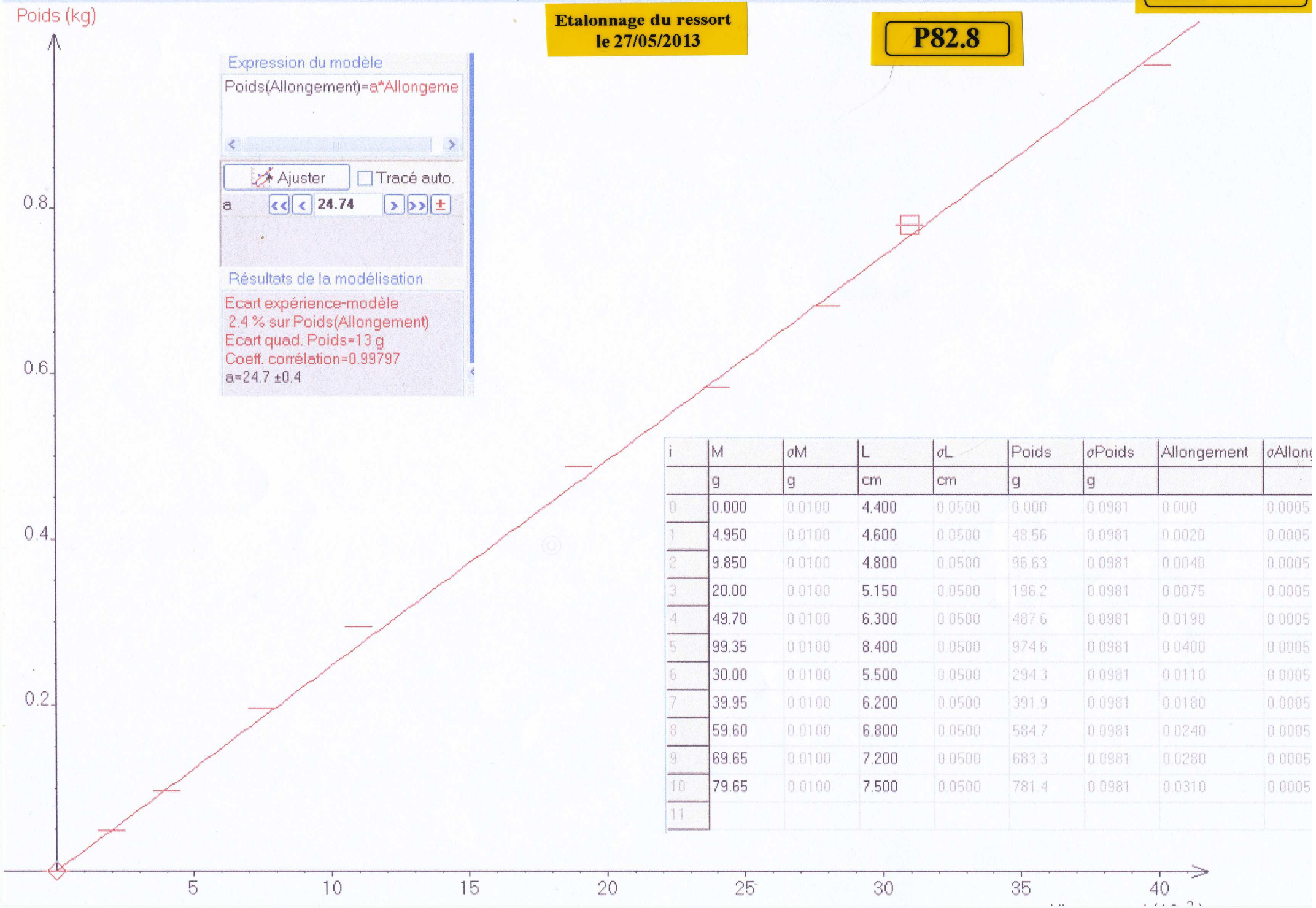
Outils gr. | Axes | Echelle | graphes | Copier gr. | Animation | Vecteurs | C.B.

ENS LYON

Etalonnage du ressort
le 27/05/2013

P82.8



Expression du modèle

Poids(Allongement)=a*Allongeme

Ajuster | Tracé auto.

a << < 24.74 > >> ±

Résultats de la modélisation

Ecart expérience-modèle
2.4 % sur Poids(Allongement)
Ecart quad. Poids=13 g
Coeff. corrélation=0.99797
a=24.7 ±0.4

i	M	σM	L	σL	Poids	σPoids	Allongement	σAllon
	g	g	cm	cm	g	g		
0	0.000	0.0100	4.400	0.0500	0.000	0.0981	0.000	0.0005
1	4.950	0.0100	4.600	0.0500	48.56	0.0981	0.0020	0.0005
2	9.850	0.0100	4.800	0.0500	96.63	0.0981	0.0040	0.0005
3	20.00	0.0100	5.150	0.0500	196.2	0.0981	0.0075	0.0005
4	49.70	0.0100	6.300	0.0500	487.6	0.0981	0.0190	0.0005
5	99.35	0.0100	8.400	0.0500	974.6	0.0981	0.0400	0.0005
6	30.00	0.0100	5.500	0.0500	294.3	0.0981	0.0110	0.0005
7	39.95	0.0100	6.200	0.0500	391.9	0.0981	0.0180	0.0005
8	59.60	0.0100	6.800	0.0500	584.7	0.0981	0.0240	0.0005
9	69.65	0.0100	7.200	0.0500	683.3	0.0981	0.0280	0.0005
10	79.65	0.0100	7.500	0.0500	781.4	0.0981	0.0310	0.0005
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